

NOTATIONS

D File
 ed

Checked by Chief
 Approval Letter
 Disapproval Letter

COMPLETION DATA:

Date Well Completed

6/3/79

OW..... WW..... TA.....

5/GW..V.. OS..... PA.....

Location Inspected ...

Bond released

State or Fee Land ...

LOGS FILED

Driller's Log.....✓.....

Electric Logs (No.) ✓.....

E..... I..... Dual I Lat..... GR-N..... Micro.....

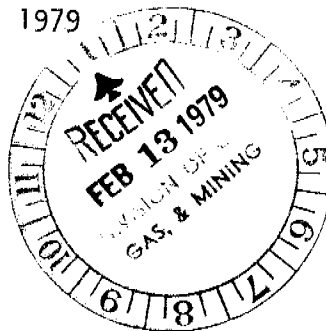
BHC Sonic GR..... Lat..... Mi-L..... Sonic

CMLog..... CCLog..... Others

PALMER OIL & GAS COMPANY

P.O. BOX 2564
BILLINGS, MONTANA 59103
(406) 248-3151

February 8, 1979



Mr. Cleon B. Feight
Oil, Gas & Mining Division
1588 West, North Temple
Salt Lake City, Utah 84116

Dear Jack:

Enclosed is an application to drill covering our Federal No. 5-4 well located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 5, T17S-R26E, Grand County, Utah.

This well is located 660' FNL and 785' FWL, which is less than the required 800' from a spacing unit boundry, and we are therefore requesting an exception location for this well. Our geologic data from wells to the northeast indicates a northeast-southwest trending Dakota channel which we hope to encounter. Also, we are staying as far as possible from an old dry hole south of us in the same section.

I have attached a map to this letter which shows our proposed Federal No. 5-4 as well as other locations we plan to drill in the area. As you can see, the Federal No. 5-4 has been moved towards acreage we also own, so correlative rights are not a problem.

If you have any questions, please call me collect.

Yours very truly,

PALMER OIL & GAS COMPANY

Jim Routson
James G. Routson
Petroleum Engineer

JGR/gb

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Palmer Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 2564, Billings, Montana 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

660' FNL, 785' FWL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 16 miles Northwest of Mack, Colorado

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit line, if any)

660'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

None

16. NO. OF ACRES IN LEASE

461.74

19. PROPOSED DEPTH

4099 Morrison

17. NO. OF ACRES ASSIGNED

TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5348' G.L., 5359' K.B.

22. APPROX. DATE WORK WILL START*

February 15, 1979

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8-5/8" new	20#, K-55	240'	150 sacks
7-7/8"	4 1/2" new	10.5#, K-55	4099'	225 sacks

1. Surface formation is the Mancos Shale.
2. Anticipated geologic markers are: Frontier - 3129, Dakota - 3489, Morrison - 3619.
3. Gas is anticipated in the Dakota and Morrison. No water, oil, or other minerals are anticipated.
4. Proposed casing program: See item No. 23 above.
5. Pressure control equipment: See attached well control plan and schematic of drilling contractors BOP stack. BOP's will be tested before drilling out from under surface casing and will be checked daily.
6. Air or mist drilling will be used to drill the surface hole unless water is encountered. If water is encountered approximately 300 bbls. of gel type mud will be used. The well will be air drilled from under surface casing to T.D.
7. Auxiliary Equipment: See well control plan.
8. The logging program will consist of an IES log from TD to the base of surface casing, and GR-FDC-SNP or CNL logs from TD to above the Frontier. No cores or DST's are planned.
9. No abnormal pressures or temperatures anticipated. No poisonous gas anticipated.

(Continued on next page.)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

James G. Routson
James G. Routson

TITLE

Petroleum Engineer

DATE

11/13/78

(This space for Federal or State office use)

PERMIT NO.

43-019-30497

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPLICATION FOR PERMIT TO DRILL (Con't)

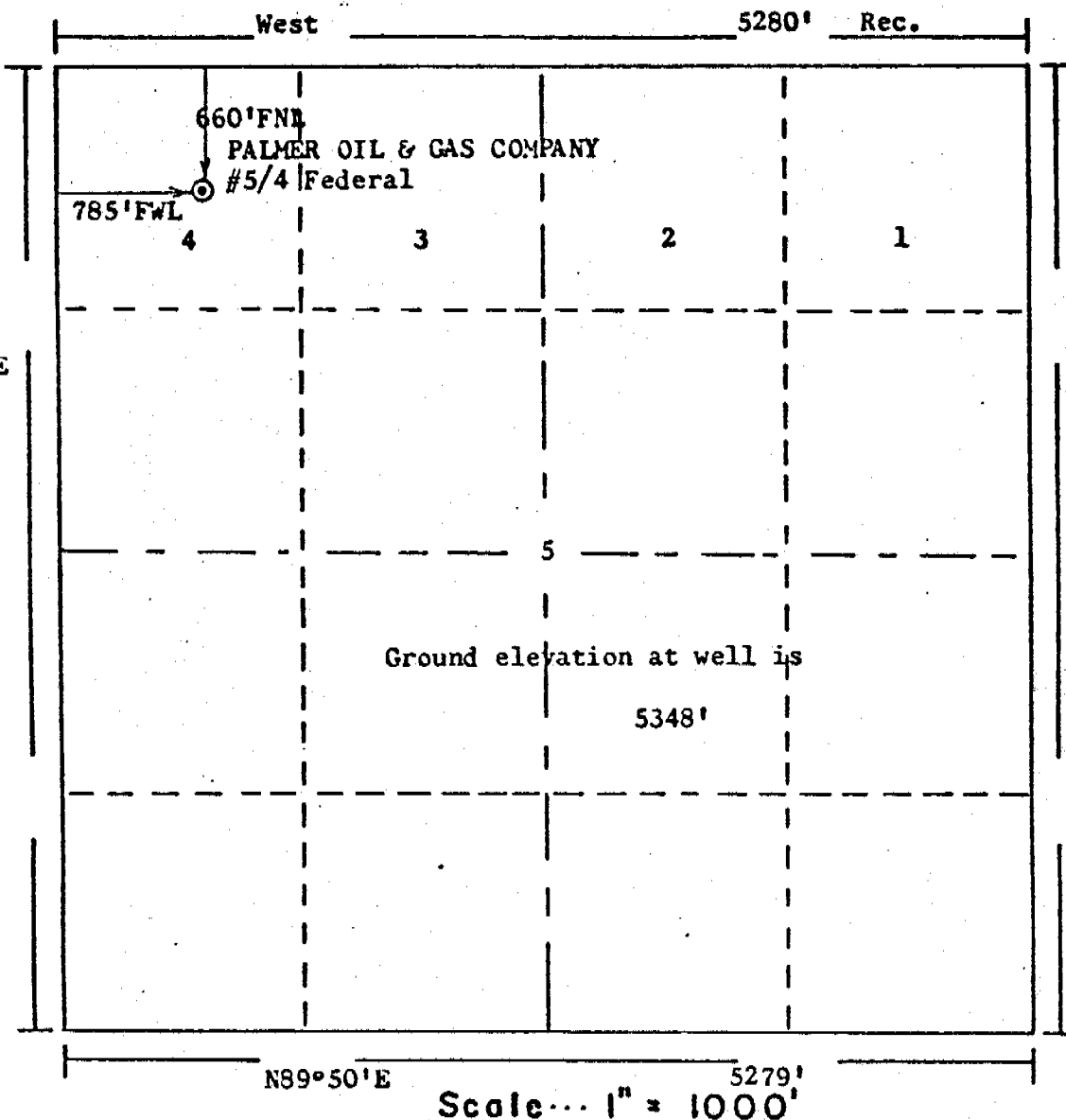
10. Anticipated spud date is February 15, 1979, depending on rig availability, and weather. Completion operations should commence within 30 days of rig release.
11. Survey plats enclosed.
12. The gas is not dedicated.
13. The spacing unit is the north half of section 5.



PLAT NO. 1

R. 26 E

N



Powers Elevation Company, Inc. of Denver, Colorado
has in accordance with a request from Jim Routson
for PALMER OIL & GAS COMPANY

determined the location of #5/4 Federal
to be 660' FNL & 785' FWL Section 5 Township 17 S
Range 26 E of the Salt Lake Base and Meridian, Utah
Grand County, Utah

I hereby certify that this plat is an
accurate representation of a correct
survey showing the location of
#5/4 Federal

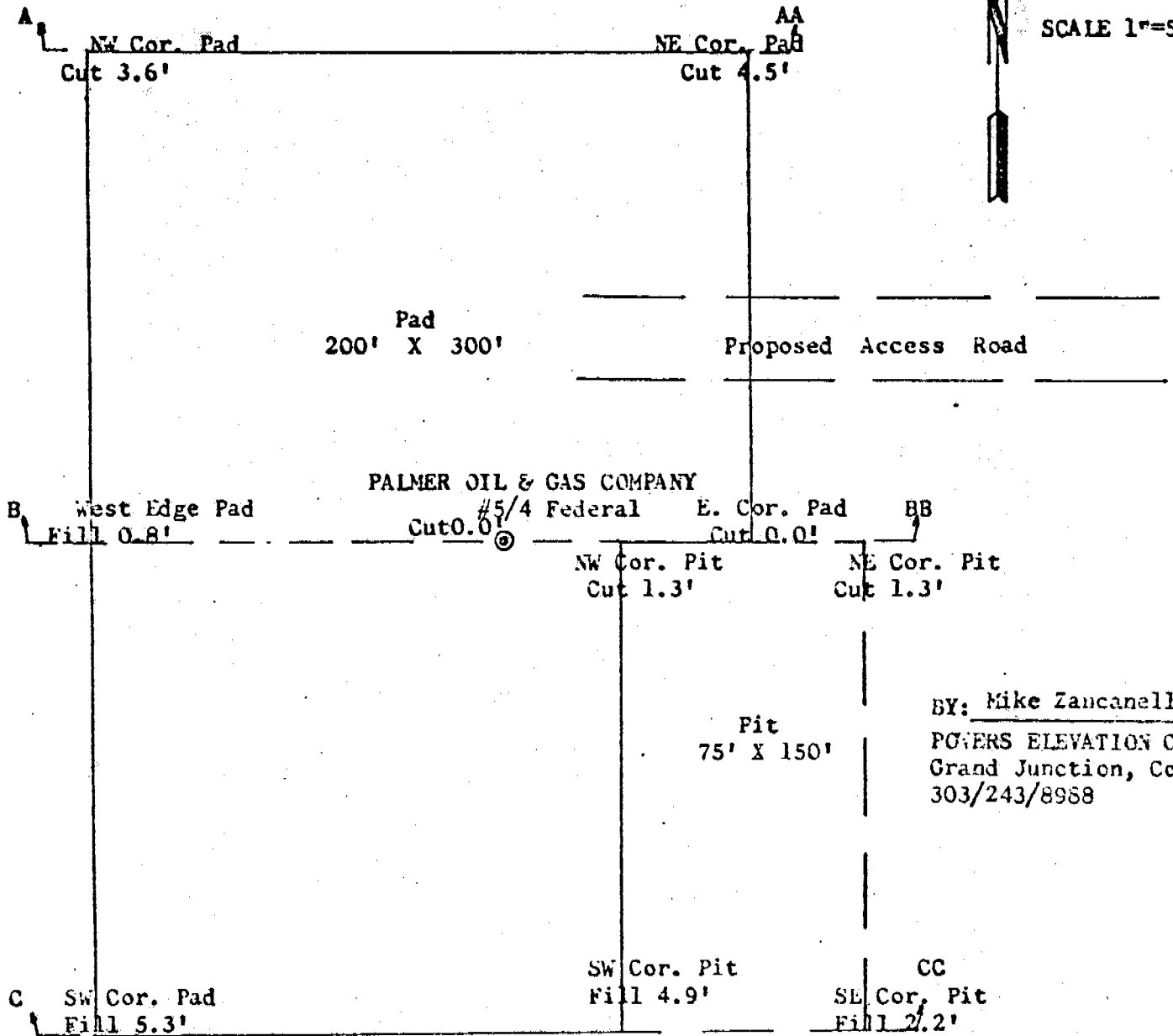
Date: 10/27/78

T. Nelson
Licensed Land Surveyor No. LS 2711
State of Utah

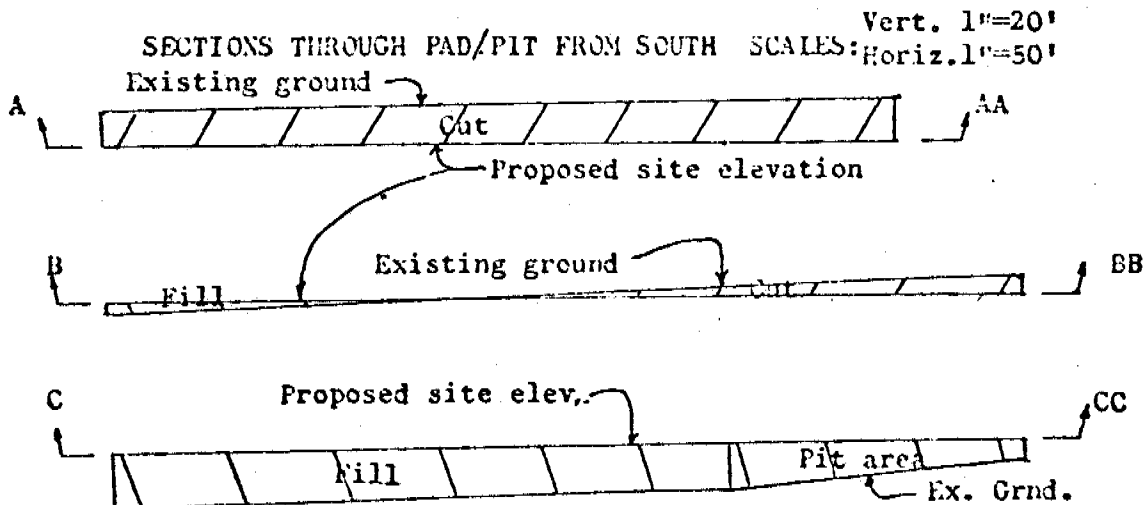
PALMER OIL & GAS COMPANY
#5/4 Federal
660' FNL & 785' FWL
Section 5, T17S, R26E
Grand, Utah
10/27/78

PLAT NO. 2

SCALE 1"=50'

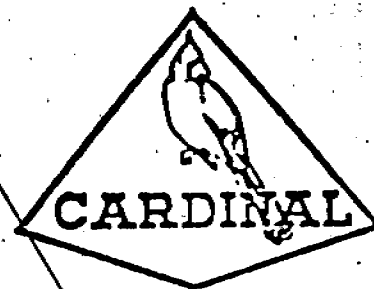


BY: Mike Zancanella
PETERS ELEVATION CO.
Grand Junction, Co.
303/243/8958





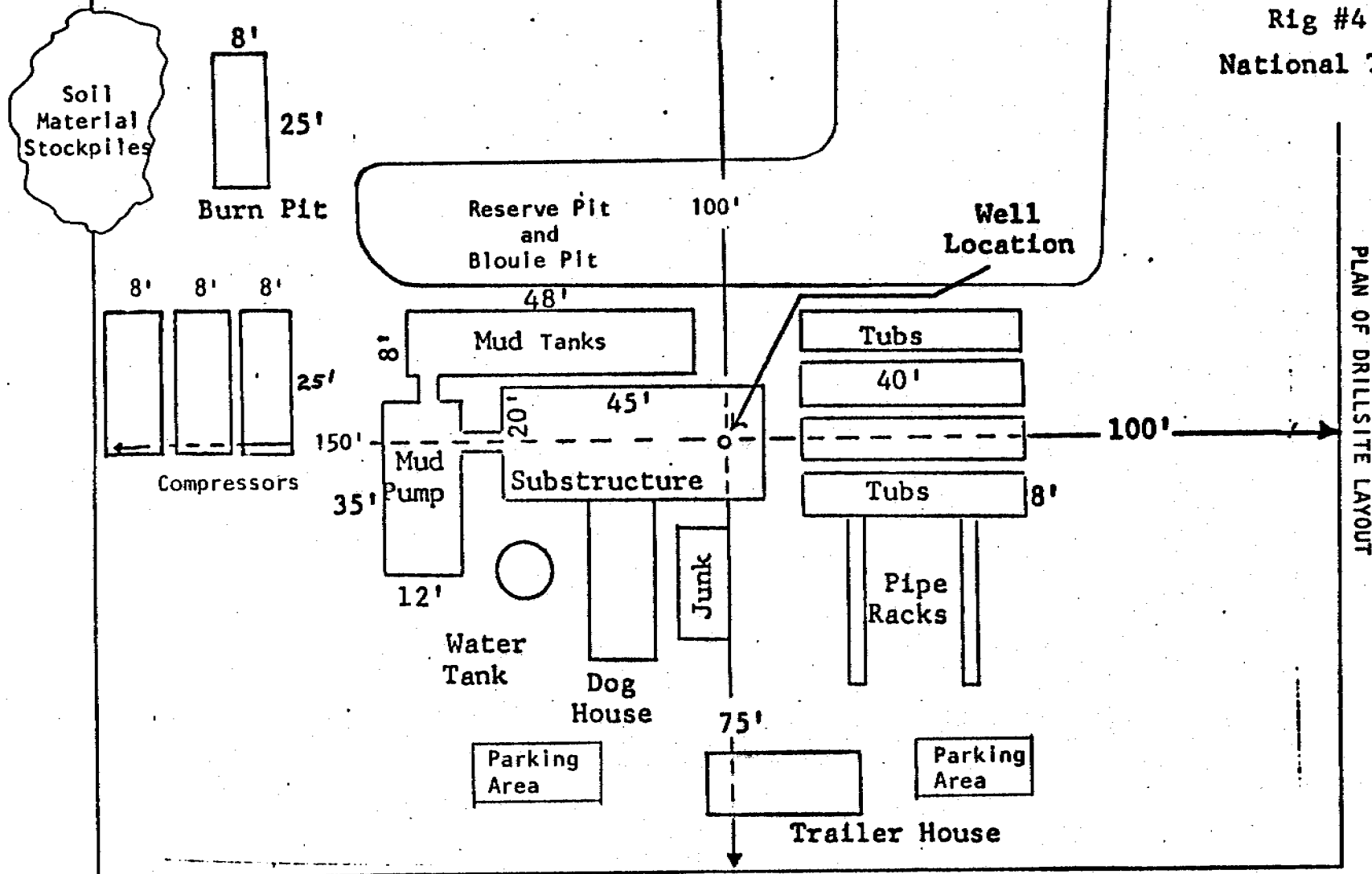
Access
Road



CARDINAL
DRILLING COMPANY

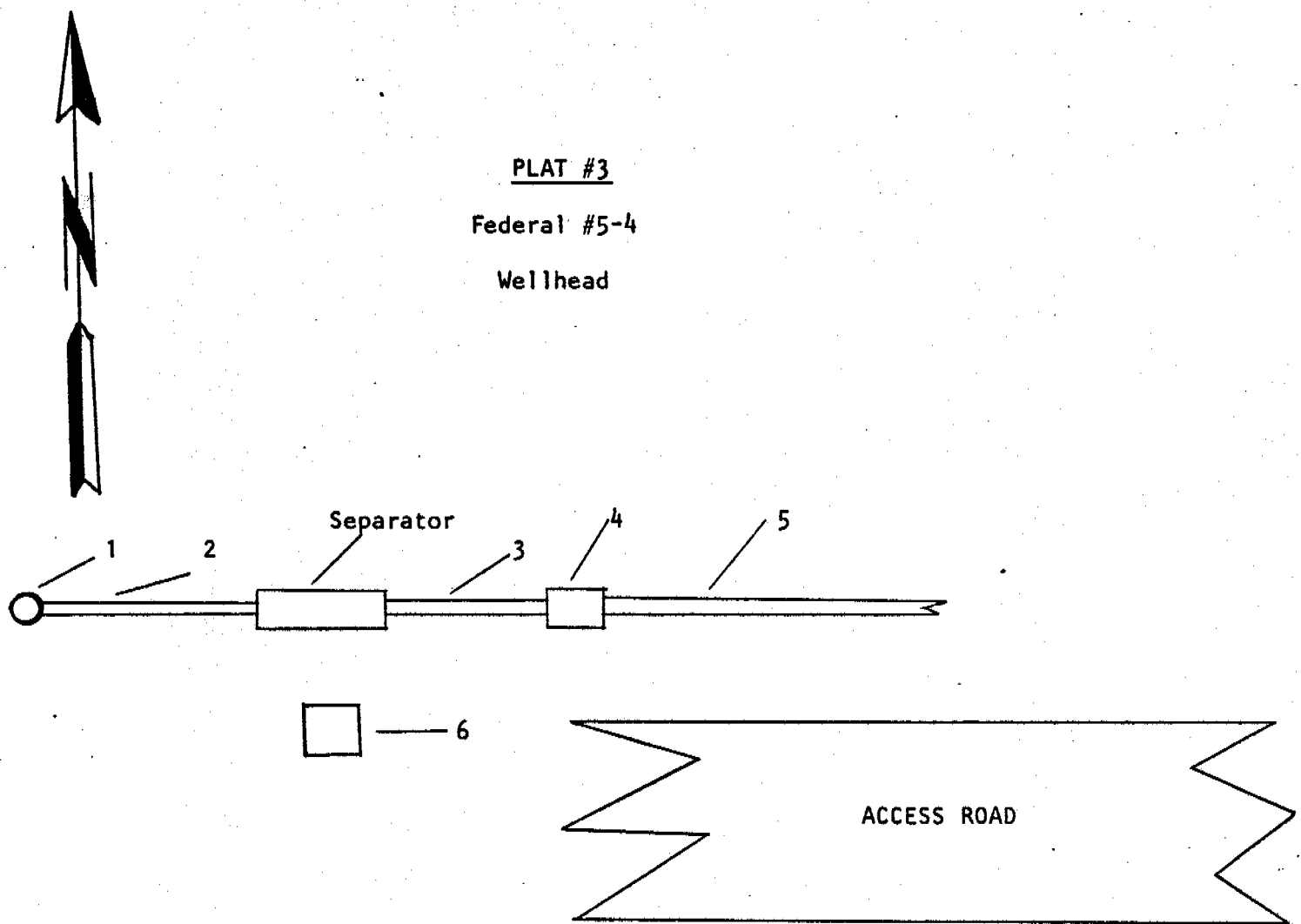
Rig #4

National T-32



PLAN OF DRILLSITE LAYOUT

PLAT NO. 2-A

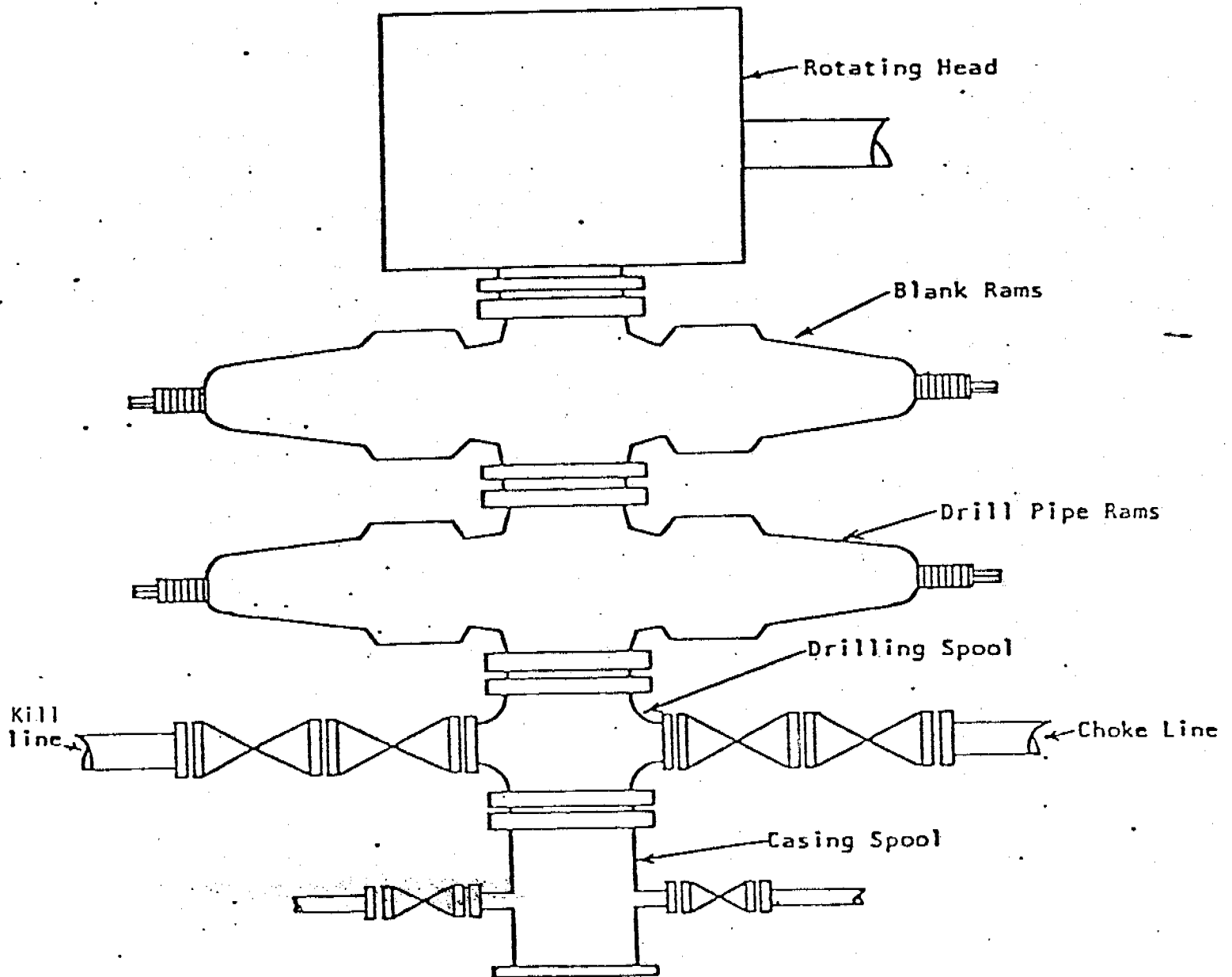


1. Wellhead will be 4-1/2" x 2-3/8" flange x screw with donut hanger full opening valve. All 2000# WP or greater to meet POGC specifications.
2. Line between wellhead and separator will be approx. 75 feet in length and constructed of 2-3/8" .218 wall seamless, welded, wrapped and buried approx. 5 feet deep.
3. Line between separator and meter will be 4" or 4.028 OD seamless, welded, coated, wrapped and buried and will be approx. 25 feet in length.
4. Meter run will be American 4" run, 500 psi static rating, 100" of water differential rating.
5. Line between meter run and Northwest Pipeline gathering line will be 3" seamless, welded pipe and will be approx. 4000 feet in length.
6. Pit, if necessary will be 10' x 10', enclosed by dikes and fenced.

SCHEMATIC OF BOP STACK

AIR DRILLED WELLS
using

900 series well head equipment
Interval from 500 to TD

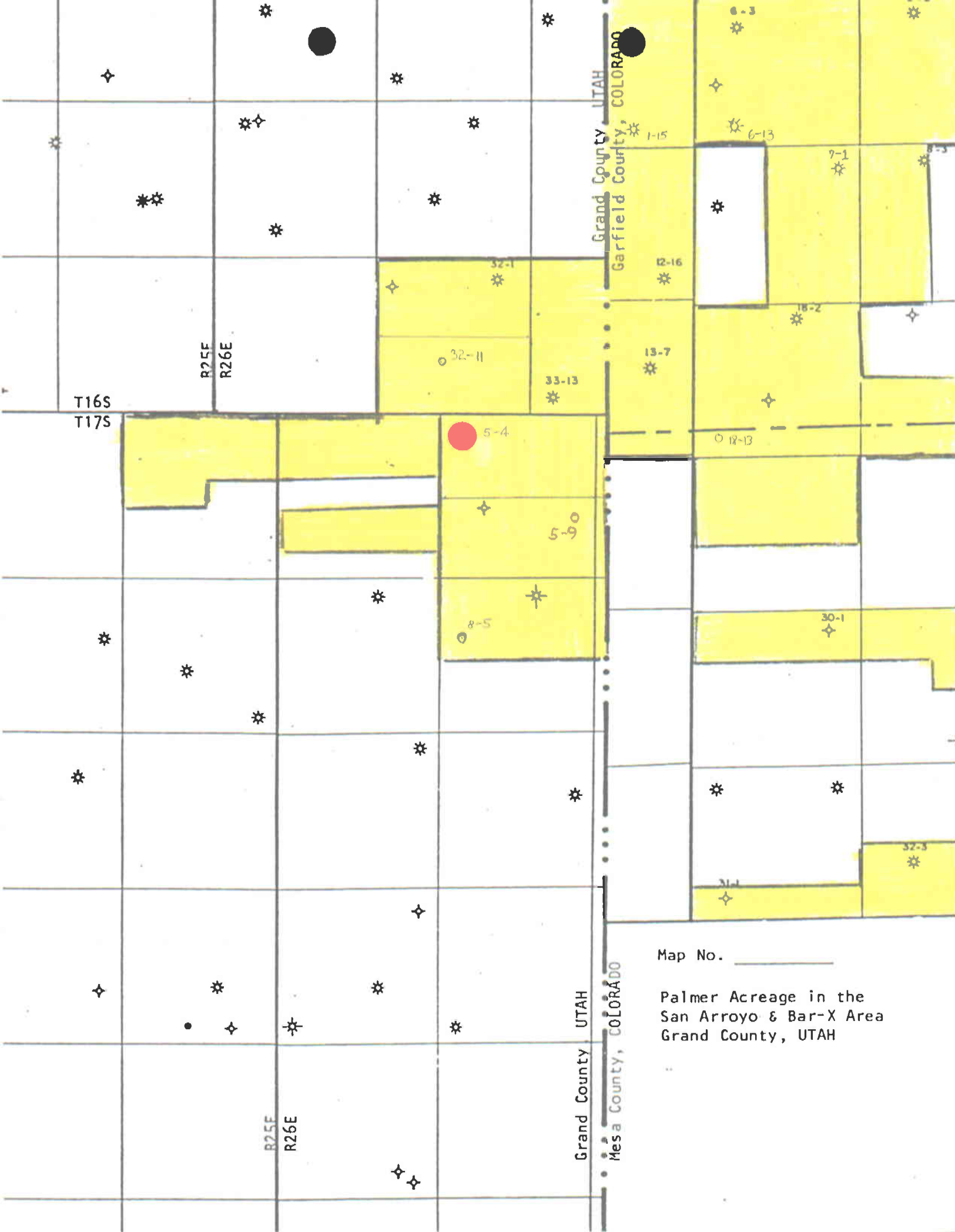


WELL CONTROL PLAN

1. Surface Casing: 9-5/8" O.D. 35#/ft., Grade K-55, Short T&C, set at 80' or deeper, cemented with pump and plug method back to the surface or bottom of cellar.
2. Casinghead Flange: 9-5/8" x 10-3/4" top 1500 psig W.P. Larkin (or equivalent) casinghead with two 2" 1500 psi L.P. outlets.
3. Intermediate Casing: None required.
4. Blowout Preventor: A 10" 3000 psig W.P. Double gate hydraulic Shaffer BOP (or equivalent) with drill; pipe rams and blind rams. All fill, kill and choke lines will be minimum of 2" 2000 psi W.P.
5. Auxillary equipment: (a) Drill pipe floats will be allowed at contractor's discretion. (b) Visual monitoring of air returns will be maintained.
6. Anticipated bottom hole pressure is less than 1000 psi at 4000' or a gradient of .25 psi/ft. or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

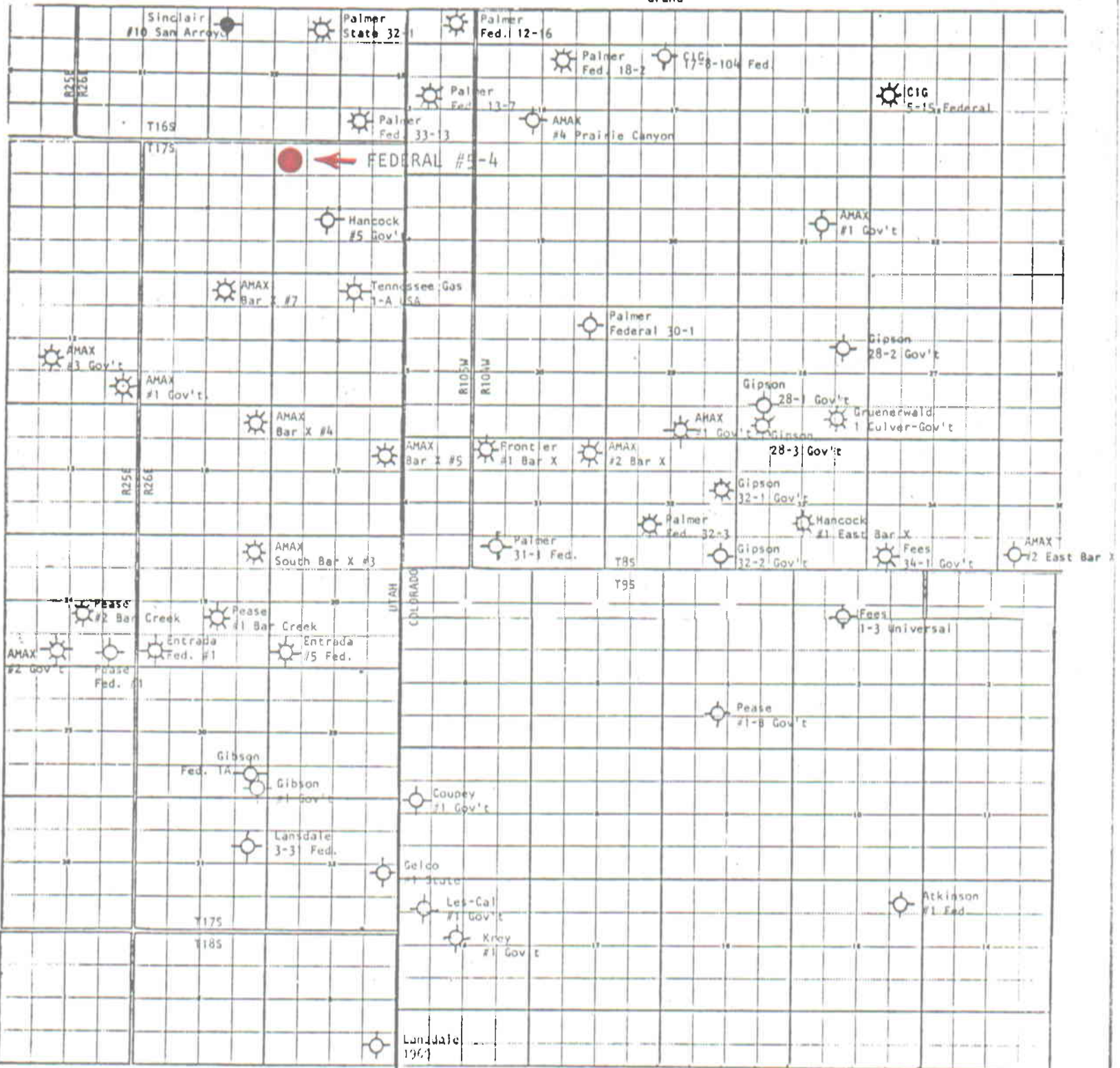
PALMER OIL & GAS COMPANY

J. Q. Ranton

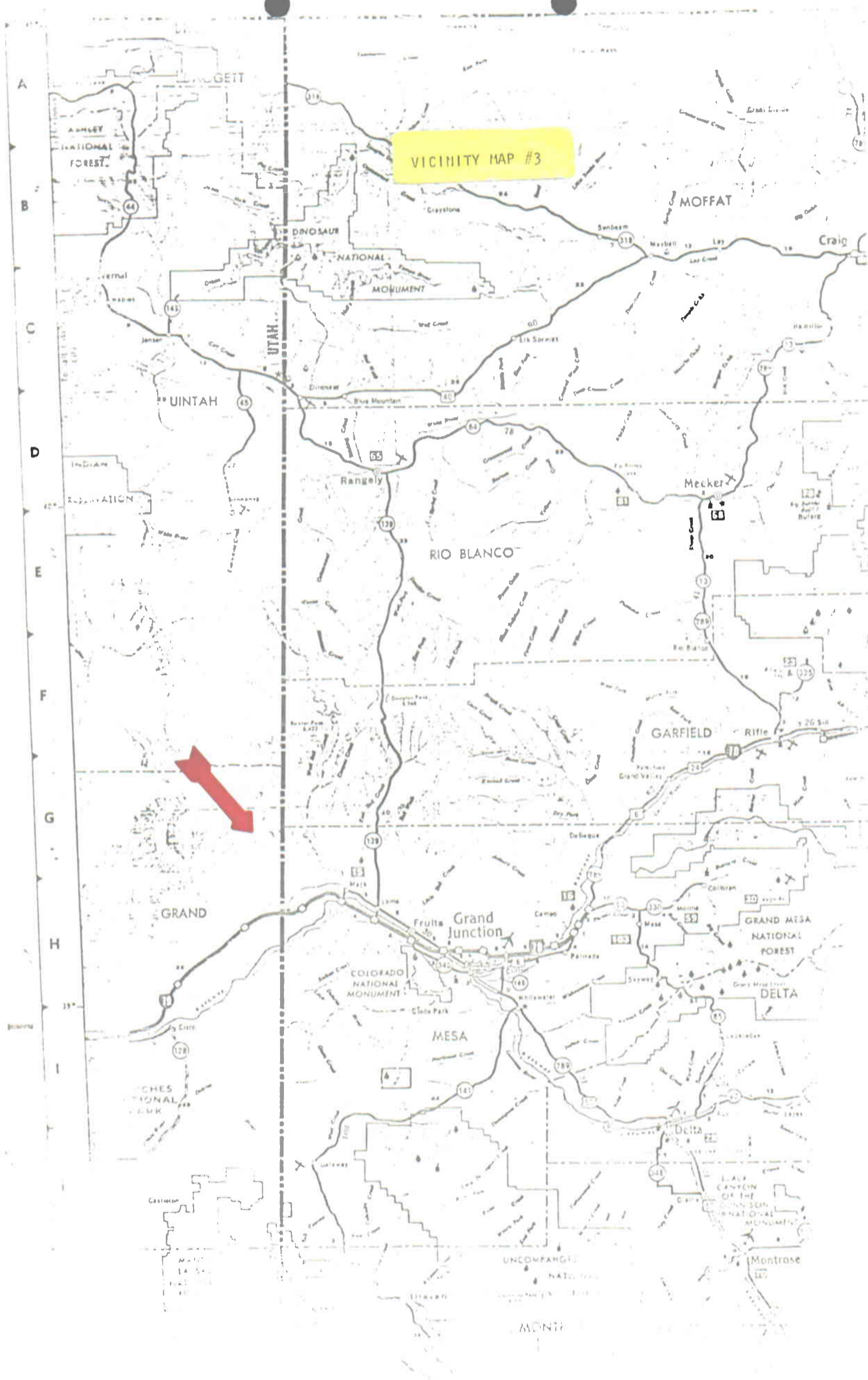


WELL MAP NO. 2

Township 3S & 17S Range 104W & 26E County Garfield, Mesa, & Grand State Colorado & Utah



VICINITY MAP #3



U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM : DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U 30301

OPERATOR: Palmer Oil & Gas

WELL NO. 5-4

LOCATION: $\frac{1}{2}$ NW $\frac{1}{2}$ NW $\frac{1}{2}$ sec. 5, T. 17 S, R. 26 E, S4m

Grand County, Utah

1. Stratigraphy: operator predicted tops are reasonable

2. Fresh Water: possible useable water in Mancos sands

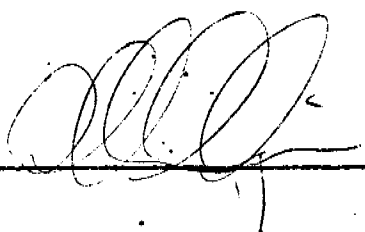
3. Leasable Minerals:

gas in Dakota + Morrison

4. Additional Logs Needed: adequate

5. Potential Geologic Hazards: none expected

6. References and Remarks:

Signature: 

Date: 12-7-78

United States Department of the Interior
Geological Survey
8440 Federal Building
Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No. U-30301Operator Palmer Oil & Gas Co.Well No. 5-4Location NW 1/4 NW 1/4 Sec. 5 T. 17S R. 26ECounty Grand State Utah Field San ArroyoStatus: Surface Ownership Public Minerals FederalJoint Field Inspection Date December 12, 1978

Participants and Organizations:

Bob KershawBLM, Moab, UtahHowie SpegmanUSGSBill BunigerPalmer Oil & Gas, Dirt Contractor

Related Environmental Analyses and References:

(1) Book Cliffs Planning Unit 08-09 (BLM)

(2)

Analysis Prepared by: Howie Spegman
Environmental Scientist
Billings, Montana

Reviewed by: George Diwachak
E.S.
S.L.C., Utah

Date

Noted - G. Diwachak

*Pad 150 x 250
Pit 75 x 125
0.5 mi new access
Flow line not in ch
Stockpile topsoil
2.4 ac
Low wire crossing
Pit to south
See Pg 7*

Proposed Action:

On November 17, 1978, Palmer Oil & Gas Co. filed an Application for Permit to Drill the No. 5-4 development well, a 4099 foot gas test of the Dakota and Morrison formations; located at an elevation of 5348 ft. in the NW 1/4 NW 1/4, Sec. 5, T17S, R26E on Federal mineral lands and public surface; Lease No. U-30301. There was no objection raised to the wellsite nor to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface and 13-Point Surface Protection Plans are on file in the U.S.G.S. District Office in Salt Lake City, Utah and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming.

A working agreement has been reached with the Bureau of Land Management, the controlling surface agency. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 150 ft. wide x 250 ft. long, and a reserve pit 75 ft. wide x 125 ft. A new access road would be constructed 25 ft. wide x .5 mi. long from an existing and improved road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad.

If production is established, plans for a gas flow line would be submitted to the appropriate agencies for approval. The anticipated starting date is February 15, 1979 and duration of drilling activities would be about 30 days.

Location and Natural Setting:

The proposed drillsite is approximately 16 mi. northwest of Mack, Colorado, the nearest town. A good road runs to within 1/2 mi. of the location. This well is in the San Arroyo field.

Topography

The well site itself is fairly flat. The topography becomes increasingly rugged to the north and northwest, in the direction of the Book Cliffs.

Geology:

The surface geology is alluvium derived in part from Mancos Shale. The soil is sandy clay. No geologic hazards are known near the drillsite. Seismic risk for the area is minor in historic time. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs will be placed with drilling fluid in the hole to assure protection of any mineral resources.

Loss of circulation may result in the lowering of the mud levels which might permit exposed upper formations to blowout or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep into the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah. The operator's drilling, cementing, casing, and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay-type soil. The soil is subject to runoff from rainfall and has a high runoff potential, and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to

aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately 2.4 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, and reseedling of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rainfall should range from about 8 to 11 inches at the proposed location. The majority of the numerous drainages in the surrounding area are of a nonperennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8 inches.

Winds are medium and gusty, occurring predominantly from West to East. Air mass inversions are rare. The climate is semi-arid with abundant sunshine, hot summers and cold winters, with temperature variations on a daily and seasonal basis.

Surface-Water Hydrology:

The San Arroyo Wash drains the well site area. Drainage in the vicinity is predominantly ephemeral, and therefore is directly the result of heavy precipitation. The San Arroyo Wash drains into the Westwater Canyon to the south, which in turn is a tributary to the Colorado River.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface-water systems.

The potentials for pollution would be present from leaks or spills. The operator is required to report and clean up all spills or leaks.

Ground-Water Hydrology:

Some minor pollution of ground-water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination, and commingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basis information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B.

The depths of fresh-water formations are listed in the 10-Point Subsurface Protection Plan. There would be no tangible effect on water migration in fresh-water aquifers. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

The area is sparse grassland, with greasewood and sagebrush.

Plants in the area are of the salt-desert-shrub type.

Proposed action would remove about 2.4 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

Animal and plant inventory has been made by the Bureau of Land Management. No endangered plants or animals are known to habitat on the project area. The fauna of the area consists predominantly of the mule deer, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If an historic artifact, an archaeological feature or site is discovered during construction operations, activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings and other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and are judged to be minor. All permanent facilities placed on the location should be painted a light sand color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-rilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would not be visible to passersby of the area.

The economic effect of one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Grand County, Utah.

But should this well discover a significant new hydrocarbon source, local, State, and possibly National economies might be improved. In this instance, other development wells would be anticipated with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and U.S. Geological Survey's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

Land Use:

There are no National, State, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails, or other formally designated recreational facilities near the proposed location.

The proposed location is within the Book Cliffs Planning Unit. (08-09) This Environmental Assessment Record (EAR) was compiled by the Bureau of Land Management, the surface management agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The EAR is on file in the agency's State Offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserve pits would contain all fluids used during the operations. A trash pit would be utilized for any solid wastes generated at the site and would be buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternatives to the Proposed Action:

(1) Not approving the proposed permit -- The oil and gas lease grants the Lessee exclusive right to drill for, mine, extract, remove, and dispose of all oil and gas deposits.

Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under the U.S. Geological Survey and other controlling agencies' supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of oil and gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

(2) Minor relocation of the wellsite access road or any special restrictive stipulations or modifications to the proposed program would

not significantly reduce the environmental impact. There are no severe vegetative, animal, or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

(3) The access road crosses a substantial wash. A low water crossing is planned for the road at that point. ←

The rig layout has been changed so that the reserve pit is on the south part of the pad. The north arrow on the plat would now be pointing East. The access road would be entering on the compressor side of the pad, and not on the reserve pit side as previously marked. Palmer plans a gas gathering line that will follow the access road. A future submittal of forms and possible inspection will be necessary before final approval. ←

Adverse Environmental Effects Which Cannot Be Avoided:

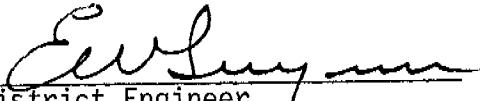
Surface disturbance and removal of vegetation from approximately 2.4 acres of land surface from the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, leaks, spills of gas, oil, or water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for subsurface damage to fresh-water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to the San Arroyo Wash would exist through leaks and spills.

Determination:

This requested action ~~does~~/does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2)(C).

Date

12/22/78


District Engineer
U.S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

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WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Palmer Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 2564, Billings, Montana 59103

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At surface

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At proposed prod. zone

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14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 16 miles Northwest of Mack, Colorado

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 660'

16. NO. OF ACRES IN LEASE

461.74

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

19. PROPOSED DEPTH

4099 Morrison

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5348' G.L., 5359' K.B.

22. APPROX. DATE WORK WILL START*

February 15, 1979

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PROPOSED CASING AND CEMENTING PROGRAM

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4. Proposed casing program: See item No. 23 above.
5. Pressure control equipment: See attached well control plan and schematic of drilling contractors BOP stack. BOP's will be tested before drilling out from under surface casing and will be checked daily.
6. Air or mist drilling will be used to drill the surface hole unless water is encountered. If water is encountered approximately 300 bbls. of gel type mud will be used. The well will be air drilled from under surface casing to T.D.
7. Auxiliary Equipment: See well control plan.
8. The logging program will consist of an IES log from TD to the base of surface casing, and GR-FDC-SNP or CNL logs from TD to above the Frontier. No cores or DST's are planned.
9. No abnormal pressures or temperatures anticipated. No poisonous gas anticipated.

(Continued on next page.)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

James G. Routson
James G. Routson

TITLE

Petroleum Engineer

DATE

11/13/78

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

(ORIG. SGD.) E. W. GUYNN

TITLE

DISTRICT ENGINEER

DATE

DEC 29 1978

CONDITIONS OF APPROVAL, IF ANY:

State of Utah, Department of Natural Resources
Division of Oil, Gas, and Mining
1558 West North Temple
Salt Lake City, Utah 84110

NOTICE OF APPROVAL

*See Instructions On Reverse Side

APPLICATION FOR PERMIT TO DRILL (Con't)

10. Anticipated spud date is February 15, 1979, depending on rig availability, and weather. Completion operations should commence within 30 days of rig release.
11. Survey plats enclosed.
12. The gas is not dedicated.
13. The spacing unit is the north half of section 5.

TWELVE POINT PLAN OF DEVELOPMENT
FOR SURFACE USE FOR PALMER OIL FEDERAL # 5-4
NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 5-T17S-R26E
Grand County, Utah

1. Existing Roads

- A. Proposed wellsite: Survey plat enclosed.
- B. Location is approximately 4.2 miles North of Highway 6 & 50 on 2 Road.
Then approximately 5 miles North to the location on the State Line Road.
- C. Access roads: See Location Map #1.
- D. Not applicable, well is not exploratory.
- E. Existing roads within 1 mile of wellsite: See Location Map #1.
- F. No improvements of existing roads are planned except to blade any rough spots.

2. Planned Access Roads

- A. See Location Map #1 for necessary access road to be constructed by blading.
Length of access road is approximately 2,400 feet.
 - 1. Maximum width of 25'.
 - 2. Maximum grade of 2%.
 - 3. No turnouts needed.
 - 4. Natural drainage, road will follow contour of land.
 - 5. No culverts needed. One low water crossing will be constructed to cross a gully in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 5. No major cut or fill needed.
 - 6. No surfacing material to be used.
 - 7. No gates, cattleguards, or fence cuts needed.
 - 8. Access road is center flagged, including an alternate low water crossing.

3. Location of existing wells (See Map No. 2)

- 1. There are no existing water wells within a 1 mile radius.
- 2. See Map #2 for location of abandoned wells.
- 3. No temporary abandoned wells are located within a 1 mile radius.
- 4. No disposal wells in the area.
- 5. No drilling wells in the area.
- 6. Producing wells shown on Map No. 2.
- 7. Shut in wells shown on Map No. 2.
- 8. No injection wells in the area.
- 9. No monitoring or observation wells in area.

4. Location of existing and proposed production facilities

- A.
 - 1. No tank batteries within a 1 mile radius.
 - 2. No production facilities within a 1 mile radius.
 - 3. No oil gathering lines in the area.
 - 4. Map #1 shows existing pipelines owned by Northwest Pipeline.
 - 5. No injection lines in the area.
 - 6. No disposal lines in the area.
- B.
 - 1. The proposed gathering line is shown on Plat #3, and will follow the access road.
 - 2. A separator, approximately 5' x 10', and a meter run, approximately 6' x 8', will be on the drillsite pad, and will be painted to blend with the desert environment.
 - 3. No construction materials are necessary. All lines will be coated, wrapped, and buried.
 - 4. A 10' x 10' water disposal pit will be dug within 50' of the separator and will be enclosed by a wire fence. A 6' x 6' x 3 $\frac{1}{2}$ ' metal guard will be placed around the wellhead.
- C. Plans for restoration of the surface.
On completion of the drilling of this well, all pits will be backfilled and top soil replaced and re-contoured back to the original terrain. Upon abandonment all disturbed area, including the location and access road, will be recontoured, ripped or scarified as needed, and revegetated using the following seed formula:

Indian Ricegrass	1 lb/acre
Crested Wheatgrass	1 lb/acre
Sand Drop Seed	1 lb/acre
Globe Mallow	1 lb/acre
Wild Sunflower	1 lb/acre
Four Wing Saltbush	1 lb/acre

TWELVE POINT PLAN OF DEVELOPMENT (Con't)

Shadscale
Winterfat

1 lb/acre
1 lb/acre

All seeding will be done between September 15 - November 15.

5. Location and type of water supply

- A. Very little water is needed to drill this well because it will be air drilled. Water will be purchased from Grand Valley Water Users and hauled from a ditch near Mack, Colorado, or from West Salt Creek drain ditch near Mack, Colorado.
- B. Water will be transported by an 85 bbl. tank mounted on a Peterbilt truck. The truck will use the access road.
- C. No water well is to be drilled.

6. Source of construction materials

- A. No construction materials are to be used.

7. Methods for handling waste disposal

1. Cuttings will be buried 3' under top soil
2. Drilling fluids (if any) will be left in open pit to evaporate. Pit will be fenced on 3 sides during drilling, 4 sides after rig is moved off.
3. Produced oil or condensate (if any) will be stored in a tank and sold. Produced water will be disposed of in compliance with rules and regulations of the USGS and the State of Utah.
4. Portable toilet will not be provided.
5. Trash will be burned in burn pit.
6. Drilling fluid in pit, which will be very minimal due to air drilling, will be left to dry, if necessary. After pit area is sufficiently dry, cuttings will be pushed into pit and sub-soil to be placed on top of any remaining fluid and cuttings; then top soil will be used to cover both pit and location area.

8. Ancillary facilities

No proposed camps or airstrips.

9. Wellsite layout

1. See Plat #2 showing location pad. All necessary cuts and fills are shown on this plat, and the cross sections are shown on the bottom of Plat No. 2.
2. Location of pits, etc.: See plan of drillsite layout diagram, Plat No. 2-A.
3. Rig orientation: See plan of drillsite layout diagram, Plat No. 2-A.
4. Pits will be unlined.

10. Plans for restoration of surface

1. Backfilling, leveling, etc.: See 7-1 and 4-C.
2. Rehabilitation, etc.: See 4-C.
3. Fencing of pits: See 7-2. This will be done as soon as drilling is completed.
4. Oil on pits: Not applicable.
5. Rehabilitation timetable: See 4-C. Contouring will be done as soon as the pits are dry.

11. Other information

1. Topography: Immediate wellsite is basically flat, surrounding area has very low relief. Bookcliffs are approximately 1½ miles north of location. Vegetation: Sparse grassland with greasewood and sagebrush. Land is used for grazing. Fauna: Occasional use by deer, antelope, rabbits, lizzards, hawks, and miscellaneous small birds. Geologic features: Nothing significant in immediate area.
2. A. Surface Ownership: Public lands administered by the BLM.
B. Surface Activities: Four wheel drive and motorcycle recreation, rabbit and bird hunting, pipeline maintenance ROW south of lease.
3. No water or dwellings are on the lease. An archaeologic study will be done by Powers Elevation Co. of Eagle, Colorado. Some litter is present along 2 Road in the form of cans and bottles.

TWELVE POINT PLAN OF DEVELOPMENT (Con't)

12. Lessee's or operator's representative

J. G. Routson
P.O. Box 2564
Billings, MT 59103

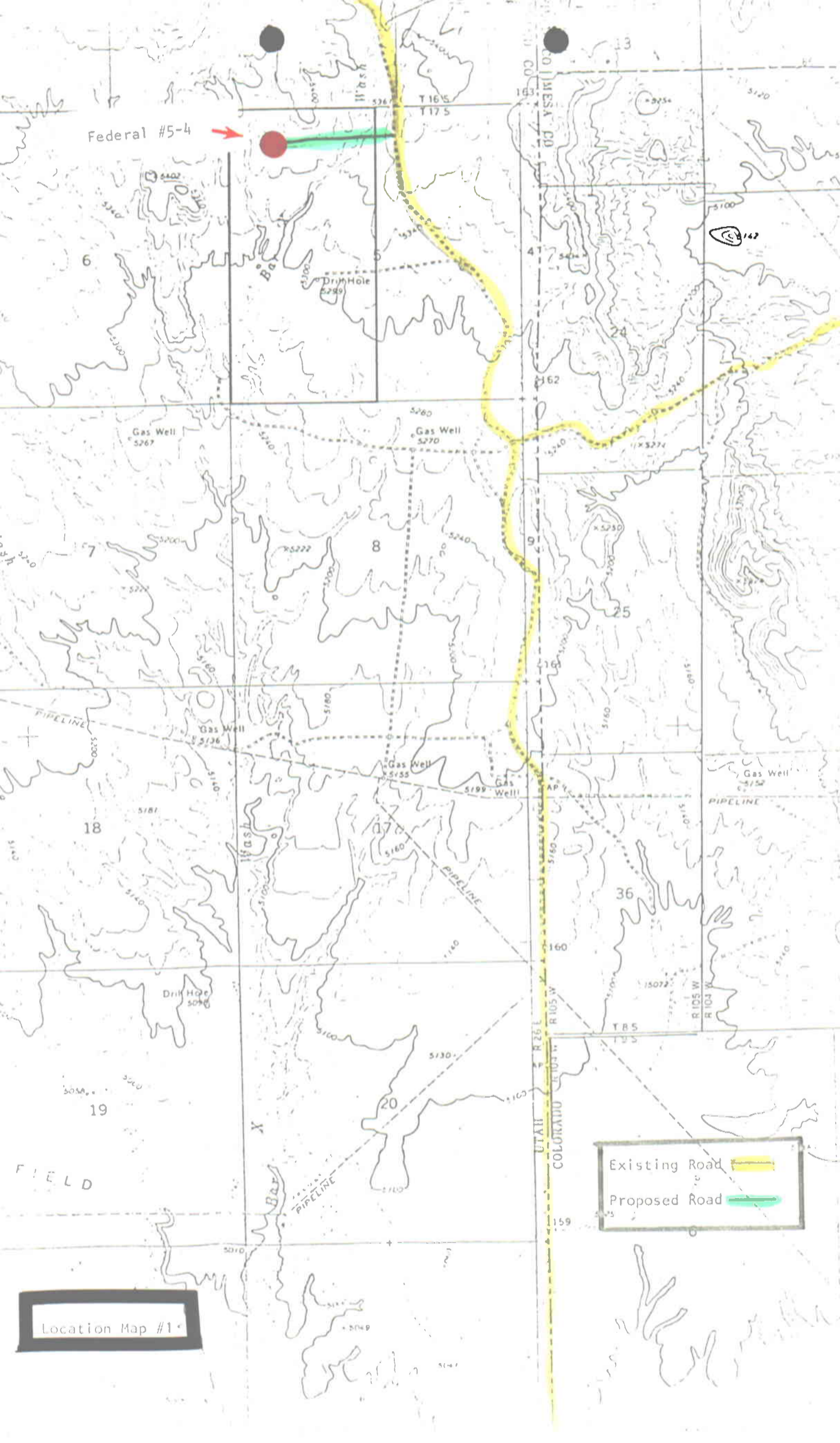
Office Phone (406) 248-3151
Home Phone (406) 245-8797

13. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein is being contracted for at this time. The contractor and sub-contractors will conform with this plan and the terms and conditions under which it is proposed.

Date:

11/13/78

J. G. Routson
J. G. Routson
Petroleum Engineer



Federal #5-4

Existing Road
Proposed Road

Location Map #1

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: Feb. 26 -
Operator: Palmer Oil & Gas
Well No: Federal 5-4
Location: Sec. 5 T. 17S R. 26E County: Grand
File Prepared: ☒ Entered on N.I.D.: ☒
Card Indexed: ☒ Completion Sheet: ☒
VAPI Number: 43-019-30497

CHECKED BY:

Administrative Assistant: [Signature]

Remarks: No other wells - Sec. 5

Petroleum Engineer: [Signature]

Remarks: There doesn't appear to be enough geological evidence to affirm the request, other than the fact there is a dry hole in south of section

Director: [Signature]

Remarks: approval to be granted

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: ☒ [Signature]

Survey Plat Required: ☐

Order No. 165-3

Surface Casing Change to ☐

Rule C-3(c), Topographic exception/company owns or controls acreage within a 660' radius of proposed site ☐

O.K. Rule C-3 ☐

O.K. In _____ Unit

Other:

[Signature] Letter Written/Approved

geological exception

JOHN MITCHELLSON
Secretary

GORDON E. HARRISTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771
March 9, 1979

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE MCINTYRE

Palmer Oil & Gas Company
P.O. Box 2564
Billings, Montana

Re: Well No. Federal 5-4
Sec. 5, T. 17 S, R. 26 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the geological exception provided in Cause No. 165-3.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER, Geological Engineer
HOME: 876-3001
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30497.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

cc: U.S. Geological Survey

DIVISION OF OIL, GAS, AND MINING

SPODDING INFORMATION

NAME OF COMPANY: PALMER OIL AND GAS COMPANY

WELL NAME: Federal 5-4

SECTION 5 TOWNSHIP 17S RANGE 26E COUNTY Grand

DRILLING CONTRACTOR Cardinal Drilling Company

RIG # 4

SPODDED: DATE April 26, 1979

TIME 10:30 a.m.

HOW

DRILLING WILL COMMENCE

REPORTED BY

TELEPHONE #

DATE April 27, 1979
cc: U. S. Geological Survey

SIGNED M. Minder

FILE IN QUADRUPLICATE
FORM OGC-8-X



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Federal #5-4

Operator: Palmer Oil & Gas Company Address: P. O. Box 2564, Billings, Montana

Contractor: Cardinal Drilling Company Address: P. O. Box 1077, Billings, Montana

Location NW 1/4 NW 1/4; Sec. 5 T. 17 S. R. 26 E; San Arroya County.

Water Sands:

<u>Depth:</u>		<u>Volume:</u>	<u>Quality:</u>
From-	To-	Flow Rate or Head	Fresh or Salty
1.	<u>No water encountered</u>		
2.	<u></u>		
3.	<u></u>		
4.	<u></u>		
5.	<u></u>		

(Continue on Reverse Side if Necessary)

Formation Tops:

Frontier	3034
Dakota Silt	3350
Dakota	3418
Morrison	3535
Salt Wash	3885

Remarks:

- NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
(c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on
reverse side)Form approved.
Budget Bureau No. 42-R355.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>		6. LEASE DESIGNATION AND SERIAL NO. USA U-30301	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Palmer Oil & Gas Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 2564, Billings, Montana 59101		8. FARM OR LEASE NAME Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660' FNL, 785' FWL At top prod. interval reported below same At total depth same		9. WELL NO. 5-4	
14. PERMIT NO. 43-019-30497		10. FIELD AND POOL, OR WILDCAT San Arroya	
DATE ISSUED 3/9/79		11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA NW1/4 Sec. 5-17S-26E	
15. DATE SPUDDED 4/26/79		12. COUNTY OR PARISH Grand	
16. DATE T.D. REACHED 4/30/79		13. STATE Utah	
17. DATE COMPL. (Ready to prod.) 6/3/79		19. ELEV. CASING HEAD	
18. ELEVATIONS (DF, RBE, RT, GR, ETC.)* 5348' GL, 5359' KB		20. TOTAL DEPTH, MD & TVD 4093'	
21. PLUG BACK T.D., MD & TVD 4068'		22. IF MULTIPLE COMPL. HOW MANY* Commingled	
23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3451-3516 - Dakota 3583-3750 - Morrison Schlumberger SNP;FDC; IES	
25. WAS DIRECTIONAL SURVEY MADE no		27. WAS WELL CORED no	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8"	20#	249' KB	11"
4-1/2"	10.5#	4095' KB	8-3/4"
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-3/8"	3788'	none	
31. PERFORATION RECORD (Interval, size and number)			
3451, 3495, 3498, 3516, 3583, 3585, 3587, 3660, 3663, 3746 and 3750 (11 holes total)			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
3451-3750	750 gal. 15% MSR; foam fraced with 20,000# 100 mesh; 80,000# 20/40 sd, 1,822,000 scf nitrogen		
33.* PRODUCTION			
DATE FIRST PRODUCTION shut in		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing	
WELL STATUS (Producing or shut-in) shut-in			
DATE OF TEST 6/3/79	HOURS TESTED 2	CHOKE SIZE 1-1/4"	PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO 180
FLOW. TUBING PRESS. 45 psi	CASING PRESSURE	CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.) 2,163	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) to be sold			
TEST WITNESSED BY R. D. Ballantyne			
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED Robert D. Ballantyne		TITLE Drilling Superintendent	
DATE 6/8/79			

*(See Instructions and Spaces for Additional Data on Reverse Side)

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements/locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 13: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

38. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES	FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
					NAME	MEAS. DEPTH	TRUE VERT. DEPTH
					Frontier	3034'	
					Dakota Silt	3350'	
					Dakota Sand	3418'	
					Morrison	3535'	
					Salt Wash	3885'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. ☐ Oil well ☒ GAS well ☐ other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
720 S. Colorado Blvd., Denver, CO 80222

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FNL & 785' FWI
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Change of Operator	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above mentioned well was purchased by Tenneco Oil Company effective date September 25, 1979, from Palmer Oil and Gas Company, P.O. Box 2564, Billings, Montana 59103.

Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct

SIGNED Conley J. J. J. TITLE Admin. Supervisor DATE 10/18/79

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

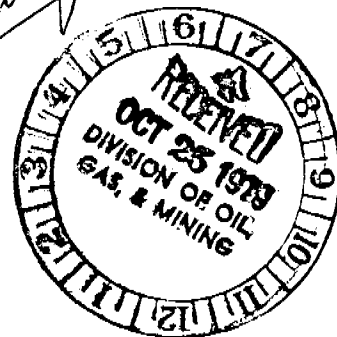
5. USE U-30301	
6. IF INDIAN ALLOTTEE OF THE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME Federal	
9. WELL NO. 5-4	
10. FIELD OR WILDCAT NAME San Arroyo	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5; T17S; R26E	
12. COUNTY OR PARISH Grand	13. STATE Utah
14. API NO.	
15. ELEVATIONS (SHOW DF, KDB, AND WD) 5348' GL	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

Tenneco Oil
A Tenneco Company

Penthouse
720 South Colorado Blvd.
Denver, Colorado 80222
(303) 758-7130

October 23, 1979



Mr. Cleon B. Feight
Utah Division of Oil, Gas & Mining
1588 West, North Temple
Salt Lake City, Utah 84111

RE: Tenneco Well formerly operated
by Palmer Oil and Gas Company
Grand County, Utah

Gentlemen:

The following wells formerly operated by Palmer Oil and Gas Company will now be operated by Tenneco Oil Company. Please note that record title to several of these wells will be held by Energy Increments, Inc., and Pate Oil Company, however, Tenneco Oil Company will continue to operate the wells.

Grand County, Utah

Township 16 South, Range 24 East

Sec. 33: 33-14/ ~~Section 29: Federal 29-15~~

Sec. 35: 35-10/ Section 28: Federal 28-15

Township 16 South, Range 25 East

Section 13: Federal 13-9-SIGW

Section 17: Federal 17-9-SIGW

Section 14: Federal 14-2

Township 16 South, Range 26 East

Section 32: State 32-1-SIGW

State 32-11-SIGW

Section 33: Federal 33-13-SIGW

Section 16: State 16-4

Township 17 South, Range 24 East

-SIGW Section 3: Federal 3-8/Section 5: Federal 5-13

SIGW-Federal 3-15/Section 14: Federal 14-4

Section 4: Federal 4-12

Township 17 South, Range 25 East

Section 6: Federal 6-7

Federal 6-14-SIGW

Section 7: Federal 7-4-SIGW

Section 29: Federal 29-1

Township 17 South, Range 26 East

Section 5: Federal 5-4-SIGW

Federal 5-9-SIGW

Section 8: Federal 8-5-SIGW

***SIGW=SHUT IN GAS WELL

REMAINING ARE DRILLING WELLS

Tenneco Oil Company

A Tenneco Company

Western Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6162 South Willow Drive
Englewood, Colorado

April 25, 1984

RECEIVED

APR 27 1984



DIVISION OF OIL
GAS & MINING

State of Utah
Department of Oil & Gas Conservation
4241 State Office Bldg.
Salt Lake City, UT 84114

Gentlemen:

Attached is a list of wells for which Tenneco Oil Company has been providing you with monthly state reports. Effective March 1, 1984, these wells were purchased by Quinoco Petroleum, Inc., 3801 East Florida Avenue, Suite 300, P. O. Box 10800, Denver, Colorado 80210. Quinoco will now be responsible for all state reporting on these wells beginning with March 1984 business.

Very truly yours,

TENNECO OIL COMPANY

Ursula C. Sulzbach
Ursula C. Sulzbach
Senior Revenue Analyst

UCS/wt
Attachment

695
TENNECO OIL COMPANY
Utah Wells Sold to Quinoco
Effective March 1, 1984

X. 17S R 24E Sec 4 Federal 4-12
X T17S R 24E Sec. 14 Hogle USA 14-4
X T17S R24E Sec 3 Federal 3-8
X T17S R24E Sec 3 Federal 3-15
X T16S R24E Sec 35 Federal 35-10
X T17S R24E Sec 2 Dietler State 2-14
X T17S R24E Sec 2 Dietler State 2-7
X T16S R25E Sec 31 Calvinco USA 31-12
X T17S R24E Sec 1 Reinauer 1-5
X T17S R24E Sec 1 Reinauer 1-14
X T16S R24E Sec 36 Tenneco State 36-14
X T16S R24E Sec 36 Tenneco State 36-16
X T16S R 24E Sec 35 Brown USA 35-3
X T17S R24E Sec 12 Edward 12-2
X T17S R25E Sec 7 Winter Camp Unit 7-14
X T17S R24E Sec 11 Hogle 11-12
X T17S R25E Sec 6 Federal 6-7
X T17S R25E Sec 7 Federal 7-4
X T16S R25E Sec 17 Federal 17-9
X T16S R25E Sec 14 Federal 14-2
X T16S R26E Sec 16 State 16-4
X T16S R25E Sec 13 Carlson USA 13-4
X T17S R24E Sec 5 Federal 5-13
X T16S R24E Sec 33 Wilson USA 33-15
X T17S R25E Sec 6 Federal 6-14
X T16S R25E Sec 13 Federal 13-9
X T16S R26E Sec 33 Federal 33-13
T17S R26E Sec 5 Federal 5-4
X T16S R26E Sec 32 State 32-1
X T16S R26E Sec 32 State 32-11
X T17S R24E Sec 12 Tenneco USA 12-9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SEE INSTRUCTIONS ON
REVERSE SIDE

031717

pgw

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. USA U-30301
2. NAME OF OPERATOR Ominex Petroleum, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Stanford Place 1, Suite 1060 8055 E. Tufts Ave. Pkwy., Denver, CO 80237		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' FNL, 785' FWL		8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-019-30497		9. WELL NO. 5-4
15. ELEVATIONS (Show whether OF, BY, OR OLD) 5348' GL, 5359' KB		10. FIELD AND POOL, OR WILDCAT San Arroya
		11. SEC., T., R., M., OR BLM. AND SURVEY OR ABBA NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 5-17S-26E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) Change of Operator ☒PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Change of Operator from Quinoco Petroleum, Inc., P.O. Box 378111, Denver, CO 80237 to Ominex Petroleum, Inc. effective as of March 1, 1987.

RECEIVED
MAR 12 1987

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Mary Earle

TITLE

Production Analyst

DATE

3-1-87

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

THE FOLLOWING METERS WILL HAVE CALIBRATION / SETTLEMENT TESTS RUN ON THE DATES INDICATED. STARTING TIME WILL BE 0800 OR AS SPECIFIED BELOW AND AT THE OFFICE OF THE NORTHWEST PIPELINE GRAND JUNCTION DISTRICT YOU WILL BE NOTIFIED SHOULD ANY CHANGES OCCUR IN THIS SCHEDULE. IF YOU HAVE ANY QUESTIONS ABOUT THE SCHEDULE, CONTACT OR WRITE THE DISTRICT OFFICE.

METER CODE	WELL NAME	LUC	RUN	DAY	MO/YR	STARTING TIME
92097013	FEDERAL #5-4 <i>17S. 26E. 5</i>	06	02	<i>16</i>	10/85	<i>0800</i>
92098010	FEDERAL #13-13 <i>16S 26E 33</i> ✓	03	02	<i>16</i>	10/85	<i>0930</i>
92105016	STATE #32-11 <i>14S. 24E. 32</i>	05	02	<i>16</i>	10/85	<i>1100</i>
93304012	FEDERAL #12-16	06	02	<i>8</i>	10/85	<i>0930</i>
93307011	FEDERAL #6-13	06	02	<i>8</i>	10/85	<i>1100</i>
93308018	FEDERAL #6-3	06	02	<i>8</i>	10/85	<i>1230</i>
93309014	FEDERAL #30-3	06	02	<i>2</i>	10/85	<i>1000</i>
93440013	LEWIS USA #25-15	06	02	<i>14</i>	10/85	<i>0930</i>
93441010	LEWIS USA #36-1	06	02	<i>14</i>	10/85	<i>0800</i>
93509013	FEDERAL #13-7	06	02	<i>8</i>	10/85	<i>0800</i>
93620011	FULLER USA #18-16	06	02	<i>2</i>	10/85	<i>1100</i>
92179010	FEDERAL #13-9 <i>16S. 25E. 13</i>	06	02	<i>5</i>	12/85	<i>0800</i>
93305015	FEDERAL #1-15	06	02	<i>9</i>	12/85	<i>1300</i>
93323017	FEDERAL #5-3	06	02	<i>5</i>	12/85	<i>0800</i>
93324013	FEDERAL #8-3	06	02	<i>9</i>	12/85	<i>1100</i>
93325010	FEDERAL #12-2	06	02	<i>9</i>	12/85	<i>0800</i>
93335015	FEDERAL #7-1	06	02	<i>9</i>	12/85	<i>0930</i>
93611012	HUGHES USA #24-1 <i>16S 24E 24</i>	06	02	<i>3</i>	12/85	<i>0800</i>

LONE MOUNTAIN PRODUCTION COMPANY

P.O. BOX 3394
408 PETROLEUM BUILDING
BILLINGS, MONTANA 59103-3394
(406) 245-5077
FAX 248-6321

June 24, 1992

State of Utah
Dept. of Natural Resources
Division of Oil, Gas, & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

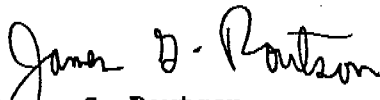
Re: Change of Operator
Sundry Notices
Grand County, Utah

Gentlemen:

Enclosed in triplicate are Sundry Notices for eight wells which Lone Mountain Production Company is assuming operations effective July 1, 1992. The wells were all previously operated by Omimex Petroleum. If any further information is needed please advise either me or Joe Dyk in our Grand Junction office.

Very truly yours,

Lone Mountain Production Company


James G. Routson
President

Enclosures

xc: Joe Dyk
Omimex

RECEIVED

JUN 26 1992

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Budget Bureau No. 1001-010
Expires August 31, 1985
5. LEASE DESIGNATION AND SERIAL NO.
U-30301
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. ☐ OIL WELL ☐ GAS WELL ☒ OTHER
2. NAME OF OPERATOR
Lone Mountain Production Company
3. ADDRESS OF OPERATOR
404 Petroleum Building, P. O. Box 3394, Billings, MT 59103
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
660' FNL, 785' FSL, Sec. 5

7. UNIT AGREEMENT NAME
C. A. # NRM-1689
8. FARM OR LEASE NAME
Federal
9. WELL NO.
No. 5-4
10. FIELD AND POOL, OR WILDCAT
Bar-X
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NW NW Sec. 5, T17S, R26E
12. COUNTY OR PARISH
Grand
13. STATE
Utah

14. PERMIT NO.
43-019-30497
15. ELEVATIONS (Show whether DF, RT, OR, etc.)
5348 GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐ PULL OR ALTER CASING ☐
FRACTURE TREAT ☐ MULTIPLE COMPLETE ☐
SHOOT OR ACIDIZE ☐ ABANDON* ☐
REPAIR WELL ☐ CHANGE PLANE ☐
(Other) change of operator ☒ XX

WATER SHUT-OFF ☐ REPAIRING WELL ☐
FRACTURE TREATMENT ☐ ALTERING CASING ☐
SHOOTING OR ACIDIZING ☐ ABANDONMENT* ☐
(Other) ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROMISED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Lone Mountain Production Company will become operator of the above referenced well effective July 1, 1992. The well was formerly operated by Omimex Petroleum.

RECEIVED

JUN 26 1992

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

James G. Routson

TITLE President

DATE June 24, 1992

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

LONE MOUNTAIN PRODUCTION COMPANY
FEDERAL NO. 5-4
NW NW SEC. 5, T17S, R26E
GRAND COUNTY, UTAH
EL. 5348 GL
LEASE # U-30301
C.A. # NRM-1689

LONE MOUNTAIN PRODUCTION COMPANY
FEDERAL NO. 33-13
SW SW SEC. 33, T16S, R26E
GRAND COUNTY, UTAH
EL. 5409 GL
LEASE # U-37856

LONE MOUNTAIN PRODUCTION COMPANY
CARLSON FEDERAL NO. 13-4
NW NW SEC. 13, T16S, R25E
GRAND COUNTY, UTAH
EL. 6495 GL
LEASE # U-25189

LONE MOUNTAIN PRODUCTION COMPANY
FEDERAL NO. 13-9
NE SE SEC. 13, T16S, R25E
GRAND COUNTY, UTAH
EL. 6223 GL
LEASE # U-29641

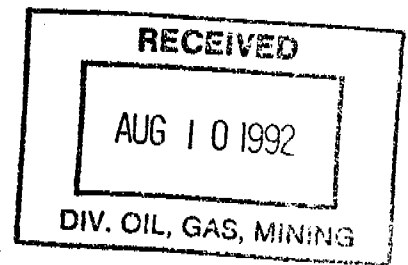
LONE MOUNTAIN PRODUCTION COMPANY
FEDERAL NO. 14-2
NW NE SEC. 14, T16S, R25E
GRAND COUNTY, UTAH
EL. 6495 GL
LEASE # U-29641
C.A. # CR-92

LONE MOUNTAIN PRODUCTION COMPANY
FEDERAL NO. 17-9
NE SE SEC. 17, T16S, R25E
GRAND COUNTY, UTAH
EL. 7367 GL
LEASE # U-29642

LONE MOUNTAIN PRODUCTION COMPANY
STATE NO. 32-1
NE NE SEC. 32, T16S, R26E
GRAND COUNTY, UTAH
EL. 5517 GL
LEASE # ML-27564

LONE MOUNTAIN PRODUCTION COMPANY
STATE NO. 32-11
NE SW SEC. 32, T16S, R26E
GRAND COUNTY, UTAH
EL. 5440 GL
LEASE # ML-27564

Bureau of Land Management
Branch of Fluid Minerals
P.O. Box 45155
Salt Lake City, Utah 84145-0155



August 7, 1992

Lone Mountain Production Company
P.O. Box 3394
Billings, Montana 59103-3394

Re: Successor of Operator
Communitization Agreement (CA)
NRM-1689
Grand County, Utah

Gentlemen:

We received an indenture whereby Omimex Petroleum, Inc. resigned as Operator and Lone Mountain Production Company was designated as Operator for CA NRM-1689, Grand County, Utah.

This instrument is hereby accepted effective as of August 7, 1992. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under CA NRM-1689.

Your statewide (Utah) oil and gas bond No. 0719 will be used to cover CA operations.

Please advise all interested parties of the change in operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

Orig. Sgd: J.A. Fouts

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Moab (w/enclosure)
DOGM *Well No. 5-4*
File - NRM-1689 (w/enclosure)
MMS - Reference Data Branch
Agr. Sec. Chron
Fluid Chron

U-922:TAThompson:tt:08-07-92

3

RECEIVED

AUG 10 1992

DIVISION OF
OIL GAS & MINING

Ominex Petro. Inc.

UTU37856	Lone Mountain Production Company eff. 7-30-92 → 33-15	PGW	16S	26E	33	SWSW	430193041600S1
UTU31468	33-2	TA	16S	24E	33	NWNE	430193070300S1
	33-15	PGW	16S	24E	33	SWSE	430193052000S1
UTU29642	Lone Mountain Production Company eff. 7-30-92 → 17-9	PGW	16S	25E	17	NESE	430193047200S1
UTU29641	Lone Mountain Production Company eff. 7-30-92 → 13-9	PGW	16S	25E	13	NESE	430193046800S1
UTU25189	Lone Mountain Production Company eff. 7-30-92 → 13-4	PGW	16S	25E	13	NWNW	430193061700S1
UTU10152A	28-15	TA	16S	24E	28	SESW	430193054500S1
UTU10152	35-3	PGW	16S	24E	35	NENW	430193077100S1
NRM1689	5-4	PGW	17S	26E	5	NWNW	430193049700S1
MO49P84701C	35-10	PGW	16S	24E	35	NWSE	430193053800S1
CR94	14-2	GSI	16S	25E	14	NWNE	430193054100S1
CR222	4-12	PGW	17S	24E	4	NWSE	430193052200S1
891020386A	11-11	PGW	38S	25E	11	NWNW	430373090300S1
	3-44	PGW	38S	25E	3	NENW	430373081700S1
	11-12	PGW	38S	25E	11	SENW	430373081400S1
8910203860	3-11	PGW	38S	25E	3	SENW	430373090100S1
	3-11	PGW	38S	25E	3	NENW	430373074100S1
	3-11	PGW	38S	25E	3	NWNW	430373090200S2

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-LCK	7-LCK
2-DPS	
3-VLC	
4-RJF	
5-RWM	
6-ADA	

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not-applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-92)

TO (new operator)	<u>LONE MOUNTAIN PROD CO</u>	FROM (former operator)	<u>OMIMEX PETROLEUM INC</u>
(address)	<u>PO BOX 3394</u>	(address)	<u>8055 E TUFTS AVE STE 1060</u>
	<u>BILLINGS, MT 59103</u>		<u>DENVER, CO 80237</u>
	<u>JAMES ROUTSON, PRES</u>		
	phone (<u>406</u>) <u>245-5077</u>		phone (<u>303</u>) <u>771-1661</u>
	account no. <u>N 7210</u>		account no. <u>N 0735</u>

Well(s) (attach additional page if needed):

Name: <u>FEDERAL 33-13/DK-MR</u>	API: <u>43-019-30416</u>	Entity: <u>6615</u>	Sec: <u>33</u> Twp: <u>16S</u> Rng: <u>26E</u>	Lease Type: <u>U-37856</u>
Name: <u>STATE 32-1/DK-MR</u>	API: <u>43-019-30451</u>	Entity: <u>6625</u>	Sec: <u>32</u> Twp: <u>16S</u> Rng: <u>26E</u>	Lease Type: <u>ML-27564</u>
Name: <u>FEDERAL 13-9/DKTA</u>	API: <u>43-019-30468</u>	Entity: <u>6630</u>	Sec: <u>13</u> Twp: <u>16S</u> Rng: <u>25E</u>	Lease Type: <u>U-29641</u>
Name: <u>FEDERAL 17-9/DKTA</u>	API: <u>43-019-30472</u>	Entity: <u>6635</u>	Sec: <u>17</u> Twp: <u>16S</u> Rng: <u>25E</u>	Lease Type: <u>U-29642</u>
Name: <u>FEDERAL 5-4/DK-MR</u>	API: <u>43-019-30497</u>	Entity: <u>6640</u>	Sec: <u>5</u> Twp: <u>17S</u> Rng: <u>26E</u>	Lease Type: <u>U-30301</u>
Name: <u>STATE 32-11/DK-MR</u>	API: <u>43-019-30500</u>	Entity: <u>6645</u>	Sec: <u>32</u> Twp: <u>16S</u> Rng: <u>26E</u>	Lease Type: <u>ML-27564</u>
Name: <u>FEDERAL 14-2/DKTA</u>	API: <u>43-019-30541</u>	Entity: <u>6655</u>	Sec: <u>14</u> Twp: <u>16S</u> Rng: <u>25E</u>	Lease Type: <u>U-29641</u>
<u>CARLSON USA 13-4/DK-MR</u>	<u>43-019-30617</u>	<u>6660</u>	<u>13 16S 25E</u>	<u>U-25189</u>

OPERATOR CHANGE DOCUMENTATION

- X 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (*BA Approved 7-30-92*)
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (*Rec'd 6-26-92*)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: ____.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (*8-24-92*)
- See 6. Cardex file has been updated for each well listed above. (*8-24-92*)
- See 7. Well file labels have been updated for each well listed above. (*8-24-92*)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (*8-24-92*)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- for 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) ____.
for Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- for 2. Copies of documents have been sent to State Lands for changes involving State leases.
8-27-92 to Ed Bonner

FILMING

- for RWM 1. All attachments to this form have been microfilmed. Date: Sept 9, 1992 19____.

FILING

- for 1. Copies of all attachments to this form have been filed in each well file.
- for 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

920728 Omimex reporting June & July Production.

920824 14-2 / 43-019-30541 CA CR-94 Not approved as of yet. (separate change)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER _____

2. NAME OF OPERATOR:

Lone Mountain Production Company

3. ADDRESS OF OPERATOR:

P O Box 80965

CITY Billings

STATE MT

ZIP 59108-0965

PHONE NUMBER:

(970) 858-7546

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 660' FNL, 785' FWL

COUNTY: Grand

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 5 17S 26E

STATE:

UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTU-30301

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

NRM-1689

8. WELL NAME and NUMBER:

Federal 5-4

9. API NUMBER:

019-30497

10. FIELD AND POOL, OR WILDCAT:

San Arroyo

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>4/25/2013</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

1. Blow down casing and unseat pump. Lay down 3/4" rods and pump.
2. Strap tubing out and run cement retainer to 3400'.
3. Squeeze 35 sx cement below retainer. Sting out of retainer and leave 2 sx cement on top. Circulate 9 ppg mud to fill 4 1/2" casing. Trip out with tubing.
4. Pressure test casing to 200 psi.
5. Cut casing at 299' KB. Lay down casing.
6. Run tubing to 299' and cement to surface with 100 sx cement (20% excess).
7. Cut off casing 4' below ground line and weld on marker plate.
8. Reclaim location.

COPY SENT TO OPERATOR

Date: 6-14-2013

Initials: KS

NAME (PLEASE PRINT) Joe Dyk

TITLE Petroleum Engineer

SIGNATURE Joe Dyk (cf)

DATE 3/25/2013

(This space for State use only)

Accepted by the
Utah Division of
Oil, Gas and Mining

Federal Approval Of This
Action Is Necessary

(See Instructions on Reverse Side)

(5/2000)

6/10/13
Dyk
*work already completed

RECEIVED
JUN 06 2013
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

MAR 09 2015

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such purposes.

DIVISION OF OIL, GAS & MINING

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-30301
2. NAME OF OPERATOR: Lone Mountain Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P O Box 80965 CITY Billings STATE MT ZIP 59108-0965		7. UNIT or CA AGREEMENT NAME: GNRM-1689
PHONE NUMBER: (406) 245-5077		8. WELL NAME and NUMBER: Federal No. 5-4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 660' FNL, 785' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 5 17S 26E		9. API NUMBER: 4301930497
		10. FIELD AND POOL, OR WILDCAT: San Arroyo

COUNTY: Grand

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 2/20/2015	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Location was seeded 2/20/15. Seed tag copy is attached.

NAME (PLEASE PRINT) Nettie Reed	TITLE Vice-President
SIGNATURE <i>Nettie Reed</i>	DATE 3/4/2015

(This space for State use only)

LONE MOUNTAIN FEDERAL 5-4 3 ACRE MIX
LOT # : G-150148

Mixture/Variety :	Purity %	Germ%	Origin:
PALMER PENSTEMON, VNS	21.52%	48.00%	UT
SHADSCALE SALTBUSH, VNS	18.02%	58.00%	UT
WINTER FAT, VNS	12.57%	82.00%	NM
ANNUAL SUNFLOWER, VNS	12.50%	85.00%	UT
CRESTED WHEATGRASS, FAIRWAY	12.13%	91.00%	CAN
YELLOW INDIANGRASS, CHEYENNE	10.97%	96.00%	KS

Crop: 0.00% Inert: 12.30% Weeds: 0.00% Net Wt. 30#

Noxious Weeds: NONE FOUND

Tested: 08/2014

CUSTOM MIX FOR CO-OP COUNTRY
EACH 30# BAG COVERS APPROX. 3 ACRES

Sharp Bros. Seed Co. Greeley, CO 80631 (970) 356-4710



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

440 West 200 South, Suite 500

Salt Lake City, UT 84101-1345

<http://www.blm.gov/ut/st/en.html>



FEB 23 2015

RECEIVED

MAR 04 2015

DIV. OF OIL, GAS & MINING

43-G9-30497

IN REPLY REFER TO:

3105 / (UT922)

UTU60806

UTU60790

CERTIFIED MAIL- 91 7199 9991 7033 9291 5920

Return Receipt Requested

Mr. Jim Routson
Lone Mountain Production Company
PO Box 80965
Billings, Montana 59108

Re: Termination of Communitization
Agreements UTU60806 and UTU60970
Grand County, Utah

Dear Mr. Routson:

Communitization Agreement (CA) UTU60806 was approved on May 23, 1979, effective March 1, 1979. This agreement communitized 359.90 acres of Federal land in leases UTU30301, UTU62844 and UTU36779 as to natural gas and associated liquid hydrocarbons producible from the Dakota-Morrison formation. The term of the agreement was for 2 years and for so long thereafter as communitized substances were produced in paying quantities.

Our records show that the well dedicated to the described agreement, ^{Federal} Well No. 5-4 located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 5, Township 17 South, Range 26 East, SLB&M, Grand County, Utah, ceased production on June 17, 2014. The public interest requirement for the CA, pursuant to 43 CFR 3 105.2-3, has been met.

Accordingly, in the absence of a well capable of producing communitized substances in paying quantities, the CA is considered to have terminated by its own terms as of June 17, 2014.

CA UTU60790 was approved on March 2, 1984, effective October 1, 1983. This agreement communitized 310.26 acres of Federal land in leases UTU24632, UTU31474 and UTU34033 as to natural gas and associated liquid hydrocarbons producible from the Dakota formation. The term of the agreement was for 2 years and for so long thereafter as communitized substances were produced in paying quantities.

Our records show that the well dedicated to the described agreement, Wall Federal 1 located in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 30, Township 16 South, Range 25 East, SLB&M, Grand County, Utah, ceased production on September 25, 2014. The public interest requirement for the CA, pursuant to 43 CFR 3 105.2-3, has been met.

Accordingly, in the absence of a well capable of producing communitized substances in paying quantities, the CA is considered to have terminated by its own terms as of September 25, 2014.

Copies of this letter are being distributed to the appropriate agencies. It is requested that you furnish notice of these terminations to each interested owner, lessee and lessor.

If you have any questions concerning this matter, please contact Judy Nordstrom of this office at (801) 539-4108.

Sincerely,

A handwritten signature in black ink, appearing to read "Roger L. Bankert".

Roger L. Bankert
Chief, Branch of Minerals

cc: SITLA
DOGM
ONRR (Attn: Curtis Link)
BLM Field Office Manager – Moab (UTY01)